LG

PLASMA MONITOR
SERVICE MANUAL

CHASSIS : RF-043E

MODEL : MU-42PM11 MU-42PM12X

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitary that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on positioin, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each esposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit

AC Volt-meter

To Instrument's exposed METALLIC PARTS

0.15uF

1.5 Kohm/10W

Good Earth Ground such as WATER PIPE, CONDUIT etc.
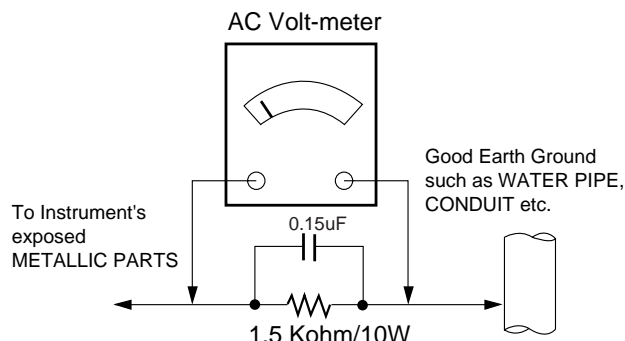
CANADA: LG Electronics Canada, Inc. 550 Matheson Boulevard East Mississauga, Ontario L4Z 4G3

USA　　: LG Customer Interactive Center P.O.Box 240007, 201 James Record Road Huntsville, AL 35824
Digital TV Hotline 1-800-243-0000

TABLE OF CONTENTS

DESCRIPTION OF CONTROLS

Controls

- This is a simplified representation of a typical front panel.
  The Front Panel Controls shown here may be somewhat different from your monitor.

MU-42/50PM10/11 series
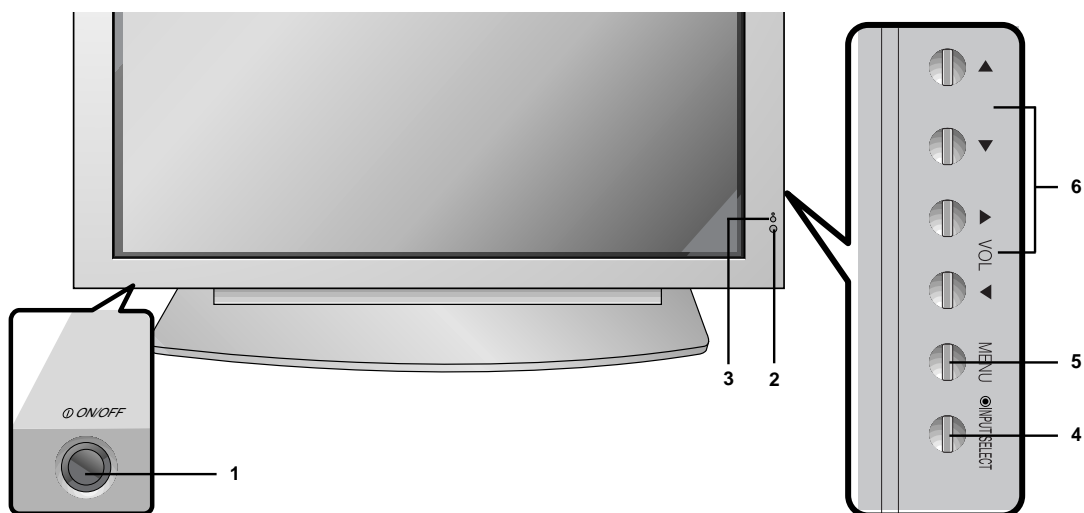
MU-42/50PM20 series
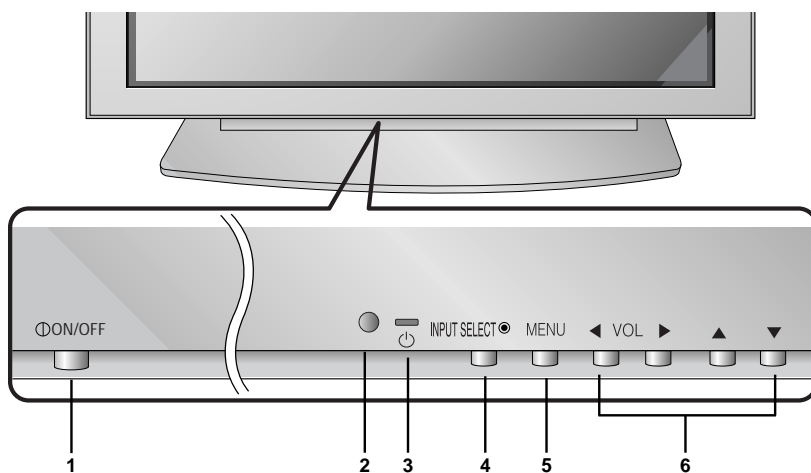
1. Main Power Button

2. Remote Control Sensor

3. Power Standby Indicator
Illuminates red in standby mode. Illuminates green when the Monitor is turned on.

4. INPUT SELECT Button

5. MENU
Displays on screen menus one by one.
Exits the current menu.
Memorizes menu changes.

6. ▲ / ▼
Selects a menu option.
◄ / ► (Volume Up/Down)
Increases/decreases sound level.
Adjusts menu settings.

DESCRIPTION OF CONTROLS

Connection Options

- Connection panels shown may be somewhat different from your monitor.

Back Connection Panel
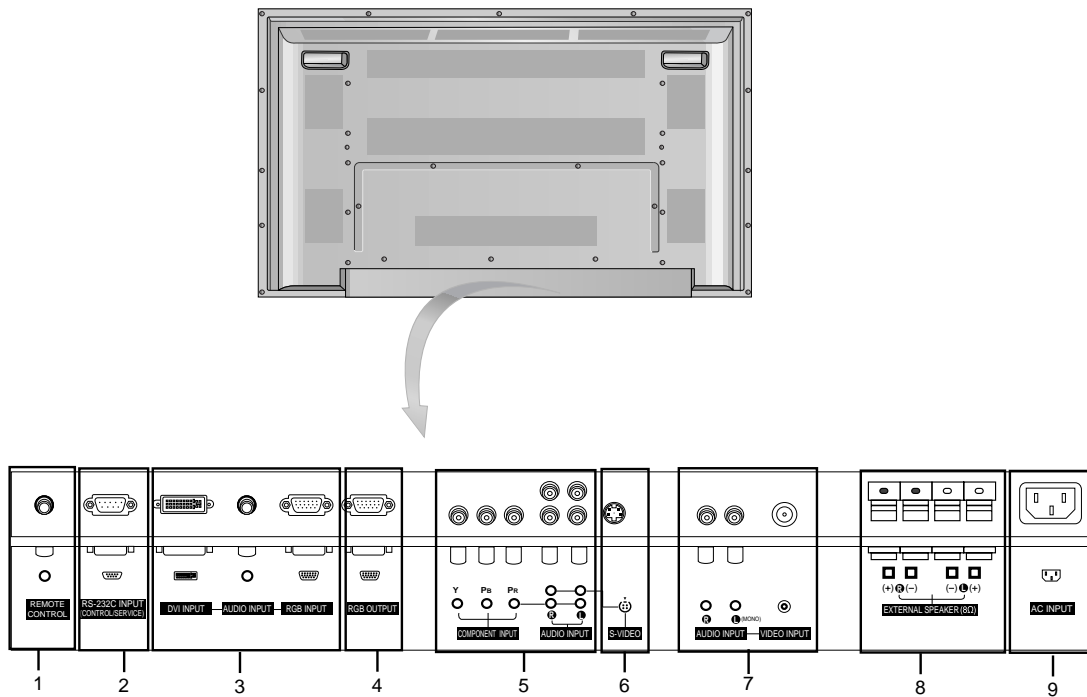
1. **REMOTE CONTROL**
    Connect your wired remote control to the remote control port on the Monitor.

2. **RS-232C INPUT (CONTROL/SERVICE) PORT**
    Connect to the RS-232C port on a PC.

3. **DVI (Digital Visual Interface) INPUT/**
    AUDIO INPUT/ RGB INPUT JACKS
    Connect the monitor output connector from a PC to the appropriate input port.

4. **RGB OUTPUT PORT**
    You can watch the RGB signal on another monitor, connect RGB OUTPUT to another monitor's PC input port.

5. **COMPONENT INPUT/AUDIO INPUT JACKS**
    Connect a component video/audio device to these jacks.

6. **S-VIDEO INPUT SOCKETS**
    Connect S-Video out from an S-VIDEO device to the S-VIDEO input.

    NOTE: AUDIO INPUT of S-VIDEO is worked by L(mono).

7. **VIDEO / AUDIO (L/MONO) INPUT SOCKETS**
    Connect audio/video output from an external device to these jacks.

8. **EXTERNAL SPEAKER (8 ohm output)**
    Connect to optional external speaker(s).
    * For further information, refer to 'Speaker & Speaker Stand' manual.

9. **POWER CORD SOCKET**
    This Monitor operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the Monitor on DC power.

Remote Control Key Functions

- When using the remote control, aim it at the remote control sensor on the monitor.
- Under certain conditions such as if the remote IR signal is interrupted, the remote control may not function. Press the key again as necessary.

POWER
Switches the Monitor between ON and STANDBY.

SLEEP
Sets the Sleep Timer.

APC
Adjusts the factory preset picture according to the room.

ARC
Changes the picture format.

PIP/DW
Switches the sub picture on or off.

SWAP
Exchanges main and sub picture images.

MENU
Displays on screen menus one by one. Exits the current menu.

NUMBER buttons

DVD buttons
Control some DVD cassette recorders.

INPUT SELECT
Selects source: RGB, DVI, Component, Video, or S-Video mode.

DASP
To select the sound appropriate to your viewing program character: Flat, Music, Movie, Sports, SRS TSXT or Off.

SPLIT ZOOM
Enlarges the picture.

WIN.POSITION
Moves the sub picture.

SUB INPUT
Selects the input source for the sub picture.

MUTE
Switches the sound on or off.

OK

▲ / ▼
Selects menu option.
Memorizes menu changes.

◄ / ► (Volume button)
Increases/decreases sound level.
Adjusts menu settings.

WIN.SIZE
Adjusts the sub picture size.

VCR BUTTONS
Control some video cassette recorders.

POWER

SLEEP   INPUT SELECT

APC   DASP

ARC   SPLIT ZOOM

PIP/DW   WIN.POSITION

SWAP   SUB INPUT

MENU   △   MUTE

◁VOL   VOL▷

▽

1   2   3
4   5   6
7   8   9
0   WIN.SIZE

POWER STOP ■ PAUSE ❚❚
◄◄ REW PLAY ► FF ►►
SKIP   OPEN/CLOSE ▲
DVD

POWER
VCR
STOP ■ P/STILL ❚❚ REC ●
◄◄ REW PLAY ► FF ►►

SPECIFICATIONS

MODELS	MU-42PM11/20	MU-42PM12X	MU-50PM10/11/20
Width (inches / mm)	42 / 1066		49.3 / 1253
Height (inches / mm)	25.8 / 656		29.3 / 745
Depth (inches / mm)	3.8 / 97.5		3.9 / 99.5
Weight (pounds / kg)	64.6 / 29.3		84.7 / 38.4
Resolution	852 x 480 (Dot)	1024 x 768 (Dot)	1366 x 768 (Dot)
Power requirement	AC100-240V, 50/60Hz		AC100-240V, 60Hz
Color	16,770,000 (256 steps of each R, G and B)		
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)		
Operating Humidity Range	Less than 80%		

- The specifications shown above may be changed without notice for quality improvement.

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions apply to the RF-043E Chassis.

2. Specification

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.

(2) Adjustment must be done in the correct order.

(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation otherwise..

(4) The input voltage of the receiver must keep 100~220V, 50/60Hz.

(5) The receiver must be operated for about 15 minutes prior to adjustments.

● The unit must be Heat Run with a RGB Full pattern, prior to adjustment.

● Enter into HEAT-RUN MODE
   1) Press the POWER ON KEY on Service R/C.
   2) OSD display and screen display 100% full WHITE PATTERN.

※ Set is activated HEAT-RUN without signal generator in this mode.

※ Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode can be used to check PANEL.

Caution) If you turn on a still screen for more than 20 minutes (Especially digital pattern, cross hatch pattern), an afterimage may occur in the black level part of the screen.

3. Setting Up the LGIDS

(1) Install the LGIDS. (idsinst.exe)
   After installation has completed, check if the file shown in (Fig. 1) has been created.

(2) Right click on 'LGIDS' and select 'Create Shortcut'
   Then move the shortcut icon onto the desktop.

(3) Double-click on the 'LGIDS' icon on the desktop to execute the program.

(Fig. 1)

4. HDCP Download

4-1. Setting Up the LGIDS

(1) Click on 'setup' to install in your directory.

(2) After installation has completed, check if the file shown on (Fig. 2) has been created.

(3) Copy the KEY from source CD into the HDCP directory which was installed just now.
   (DVI_orderNo_2003_data)
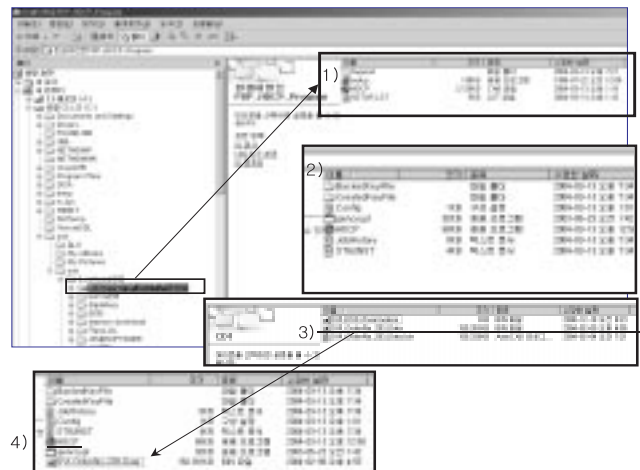
(Fig. 2)

(4) After running HDCP(application program) which is inside the HDCP directory, setup the Communication.
   Port : COM1(modification possible)
   BaudRate : 115200

4-2. KEY Generation

(Fig. 3)

ADJUSTMENT INSTRUCTIONS

(1) Click on 'Key Generation (G)'.
(2) Input the number of the key in Generation count.
  ex) If 100 Keys are required, then just register 100 and next time it will automatically get 101.

(3) Input file : When installing the program for the first time, you must find the original KEY that you copied and open it. It is crucial that you copy the original KEY into this directory.
  When you use Generation, the information is recorded in Config.ini.
(4) Click on 'Generation' ————————————————(1)
  If it is done correctly, you will see "Job is Success."——(2)
  Click on 'close'———————————————————(3)

(5) Check the Generation Data(Confirmation it's possible within HDCP\CreatedKeyFile)

(Fig. 4)

(6) It is possible to check how many Generations are created at this point.
  (Fig. 5) shows that you have created 130 Generations and you will start from 131 next time.

(Fig. 5)

4-3. HDCP Download Method

(1) Input power of Stand-By 5V.
  (Download must be executed only when it is on Stand-by)
(2) The RS-232C(9PIN) must be connected to the COM1 on the PC.

(Fig. 6)

(3) If all the preparation is completed, click on 'Download'.

(Fig. 7) Normal State

(4) If abnormal state (Fig. 8) display then (3) execute.

(Fig. 8) Abnormal State

ADJUSTMENT INSTRUCTIONS

Each PCB assembly must be checked by Check JIG Set before assembly. (Take special note of the Power PCB, which can easily damage the PDP module)

5. POWER PCB Assy Voltage Adjustments (Va, Vs Voltage Adjustments)

5-1. Test Equipment : D.M.M. 1EA

5-2. Connection Diagram for Measuring
Refer to (Fig 9).

5-3. Adjustment Method for P/No. 3501V00182A/B B/D

(1) Va Adjustment
1) After receiving 100% Full White Pattern, HEAT RUN.
2) Connect + terminal of D.M.M to Va pin of P805, connect - terminal to GND pin of P805.
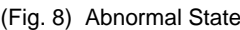3) Turn RV601, to adjust the Va voltage to match the value marked on the label on the right/top of the panel. (Deviation; ±0.5V)

(2) Vs Adjustment
1) Connect + terminal of D.M.M to Vs pin of P805, connect – terminal to GND pin of P805.
2) Turn RV401, to adjust the Vs voltage to match the value marked on the label on the right/top of the panel. (Deviation; ±0.5V)
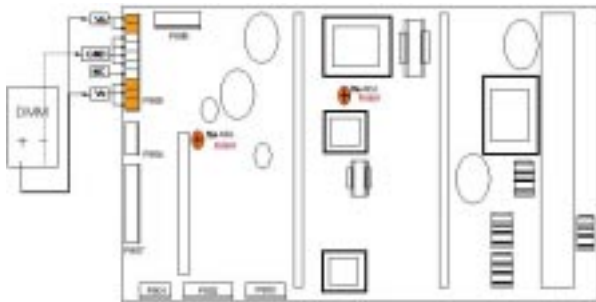
(Fig. 9-1) Connection Diagram of Power Adjustment for Measuring(3501V00182A/B)

5-4. Adjustment Method for P/No. 3501V00187A B/D

(1) Va Adjustment
1) After receiving 100% Full White Pattern, HEAT RUN.
2) Connect + terminal of D.M.M to Va pin of P805, connect - terminal to GND pin of P805.

3) Turn RV501, to adjust the Va voltage to match the value marked on the label on the right/top of the panel. (Deviation; ±0.5V)

(2) Vs Adjustment
1) Connect + terminal of D.M.M to Vs pin of P805, connect – terminal to GND pin of P805.
2) Turn RV401, to adjust the Vs voltage to match the value marked on the label on the right/top of the panel. (Deviation; ±0.5V)
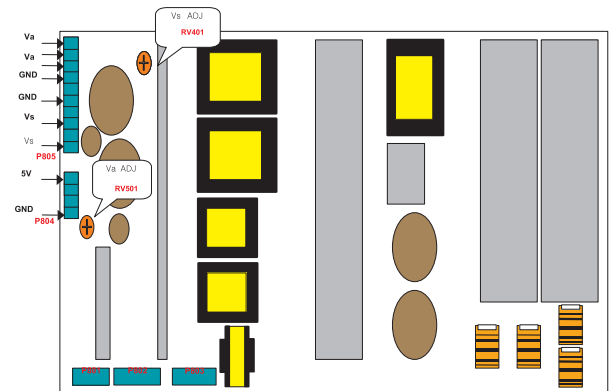
(Fig. 9-2) Connection Diagram of Power Adjustment for Measuring(3501V00187A)

6. DDC Data Input

6-1. Required Test Equipment
(1) A jig for adjusting PC, DDC (PC serial to D-sub Connection equipment)
(2) S/W for writing DDC (EDID Data Write & Read)
(3) D-sub 15P Cable, D-Sub to DVI Connector (Connect to DVI Jack)

6-2. Setting of Device
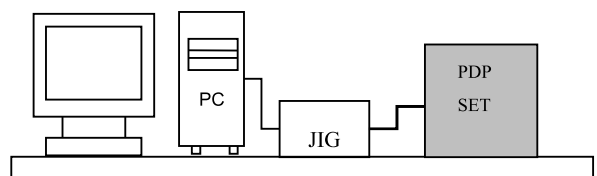
(Fig. 10)

6-3. Preparation for Adjustment
(1) Set devices as above and turn the PC and jig on.
(2) Put S/W for writing DDC (EDID data Write & Read) into operation. (operated in DOS mode.)

ADJUSTMENT INSTRUCTIONS

6-4. Sequence of Adjustment

(1) DDC Data Input for Analog-RGB

1) Put the set on the table and turn the power on.
2) Connect PC Serial to D-sub 15P Cable of jig for DDC adjustment to RGB terminal (D-Sub 15Pin).
3) Operate S/W for DDC record and select DDC data for Analog RGB in Model Menu.
4) Operate EDID Write command.
5) Operate EDID Read command and check whether Check Sum is as below.
   MU-42PM11: CB
   MU-42PM12X/MU-50PM10: DC

6) If Check Sum is not CB(or DC), repeat 3) ~ 4).
7) If Check Sum is CB(or DC), DDC data for Analog-RGB input is completed.

(2) DDC Data input for Digital-RGB(DVI)

1) Connect PC Serial to DVI Cable of jig for DDC adjustment to DVI terminal (DVI Jack).
2) Operate S/W for DDC record and select DDC data for digital RGB in model menu.
3) Operate EDID Write command.
4) Operate EDID Read command and check whether Check sum is as below.
   MU-42PM11: 4A
   MU-42PM12X/MU-50PM10: CD

5) If Check sum is not 4A(or CD), repeat 3) ~ 4).
6) If Check sum is 4A(or CD), DDC data for Analog-RGB input is completed.

7. Adjustment of White Balance

7-1. Required Equipment

Color Analyzer (CA-100 or similar product)

7-2. Connection Diagram of Equipment for Measuring
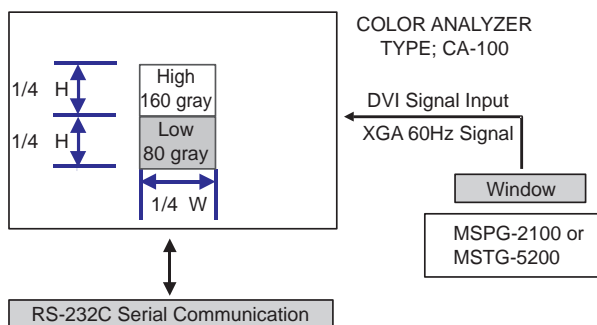
(Fig. 11) White Balance Adjustment

7-3. Adjustment of White Balance

● Operate the Zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust.
● Manual adjustment is also possible by the following sequence.

(1) Select white pattern of heat-run mode by pressing power key on the Service Remote Control (S R/C) then allow to heat run at least 15 minutes.
(2) Supply Window Pattern signal to DVI input using Pattern Generator.
   1) Input Signal: XGA 60Hz
   2) Input the Window Pattern(Horizontal 25%, Vertical 50%(Top High 25% + Bottom Low 25%))
   (Refer to Fig. 11)

(3) Press the FRONT-AV KEY on R/C for converting input DVI mode.
(4) Press ADJ key twice on S R/C. (White Balance)
(5) High Adjustment
   Stick sensor to center of 160 Gray Level(High Window Pattern), select Red Gain and Green Gain using ▲, ▼ key on S R/C.
   Press VOL +, - keys to adjust until color coordination matches below.
   X; 0.285±0.003, Y; 0.285±0.003

(6) Low Adjustment
   Stick sensor to center of 80 Gray Level(Low Window Pattern), select Red Offset and Green Offset using ▲, ▼ key on S R/C.
   Press VOL +, - keys to adjust until color coordination matches below.
   X; 0.285±0.006, Y; 0.285±0.006

(7) Repeat above step (5) and (6) for the best condition of High and Low.
(8) Exit adjustment mode using ■ Key.

8. Auto Component Color Balance

8-1. Required Test Equipment

Pattern Equipment: MSP3240A or similar product
(16 Gray Scale Pattern output(Component output Level: 0.7Vp-p)

8-2. Method of Auto RGB Color Balance

(1) Input RGB Source : Component 720p 16 Gray Scale Pattern
   At this time, input the Y, Pb and Pr signal.
(2) Press ADJ KEY on the S R/C.
(3) Press Vol. + KEY and operate To set.
(4) Auto-RGB OK means completed adjustment.

ADJUSTMENT INSTRUCTIONS

9. Auto RGB Color Balance

9-1. Required Test Equipment

Pattern Equipment: PC Pattern Generator (VG828, VG854, 801GF, MSP3240A)
(16 Gray Scale Pattern output(RGB output Level: 0.7Vp-p)

9-2. Method of Auto RGB Color Balance

(1) Input RGB Source : XGA 60HZ 16 Gray Scale Pattern
(2) Press ADJ KEY on the S R/C.
(3) Press Vol. + KEY and operate To SET.
(4) Auto-RGB OK means completed adjustment.
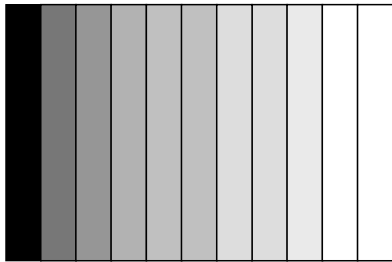
(Fig. 12) Auto RGB/ Component Color Balance Test Pattern

10. Auto Adjustment Map(RS-232C)

RF-043A						
Type		RS232				
Baud Rate		Data bit		Stop bit	Parity	
115200		8		1	NONE	
	Index	Cmd1	Cmd2	Data	Min Value	Max Value
Protocol Setting	R Gain	j	a		00(00)	255(FF)
	G Gain	j	b		00(00)	255(FF)
	B Gain	j	c		00(00)	255(FF)
	R Offset	j	d		00(00)	255(FF)
	G Offset	j	e		00(00)	255(FF)
	B Offset	j	f		00(00)	255(FF)

TROUBLE SHOOTING GUIDE

1. Power Board

1-1. General Power Flow

```
Start check
```

Doesn't the screen whole come out?	—Yes→ It is identical with Power Off condition?	—No→ Is the Interface signal operated?

Doesn't the screen whole come out? →Yes→ It is identical with Power Off condition? →No→ Is the Interface signal operated?

It is identical with Power Off condition? →Yes→ 1. Check the Power Off condition.

Is the Interface signal operated? →Yes→ 2. Check the Interface signal condition.

Doesn't the screen whole come out? →No→ Doesn't the low pressure output come out?

Doesn't the low pressure output come out? →Yes→ Doesn't the St-by 5V signal come out? →No→ Doesn't the 5V Monitor signal come out? →No→ Doesn't the VSC signal RL-ON come out?

Doesn't the St-by 5V signal come out? →Yes→ 3. Check the St-by 5V signal circuit.

Doesn't the 5V Monitor signal come out? →Yes→ 4. Check the 5V Monitor signal circuit.

Doesn't the VSC signal RL-ON come out? →Yes→ 5. Check the VSC RL-ON signal.

Doesn't the low pressure output come out? →No→ Doesn't the high tension output come out?

Doesn't the high tension output come out? →Yes→ Doesn't the VSC signal Vs-ON come out? →No→ Doesn't the Vs, Va voltage output come out?

Doesn't the VSC signal RL-ON come out? →No→ Doesn't the VSC low pressure output come out?

Doesn't the VSC signal Vs-ON come out? →Yes→ 7. Check the VSC Vs-ON signal

Doesn't the Vs, Va voltage output come out? →Yes→ 8. Check the Vs, Va voltage output circuit.

Doesn't the VSC low pressure output come out? →Yes→ 6. Check the VSC low pressure output

Doesn't the high tension output come out? →No→ High tension output voltage Drop it occurs?

High tension output voltage Drop it occurs? →Yes→ When remove the Y, Z B/D Module Input Connector, Power Board high tension output voltage Drop it occurs? →No→ When remove the Y B/D Module Input Connector, output voltage Drop it occurs? →No→ When remove the Z B/D Module Input Connector, output voltage Drop it occurs?

When remove the Y, Z B/D Module Input Connector, Power Board high tension output voltage Drop it occurs? →Yes→ 9. Check the Power Board Output high tension circuit

When remove the Y B/D Module Input Connector, output voltage Drop it occurs? →Yes→ 10. Check the Z B/D Module Coutput circuit

When remove the Z B/D Module Input Connector, output voltage Drop it occurs? →Yes→ 11. Check the Y B/D Module Coutput circuit

High tension output voltage Drop it occurs? →No→ Manufacture enterprise meaning of a passage

TROUBLE SHOOTING GUIDE

1-2. 3510V00182A Power Board Structure

PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	25V	25V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				
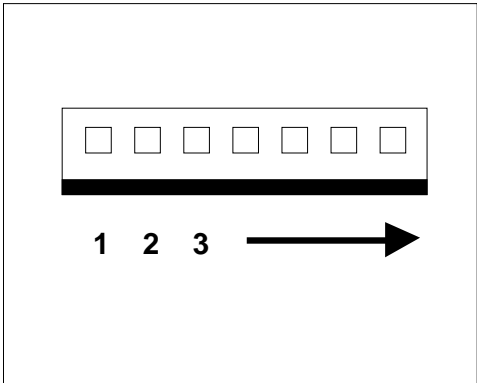
T502: Vs Trans

T702: Va Trans

T101: St-by Trans

T103: Low Voltage Trans

TROUBLE SHOOTING GUIDE

1-3. 3501V00180A Power Board Structure
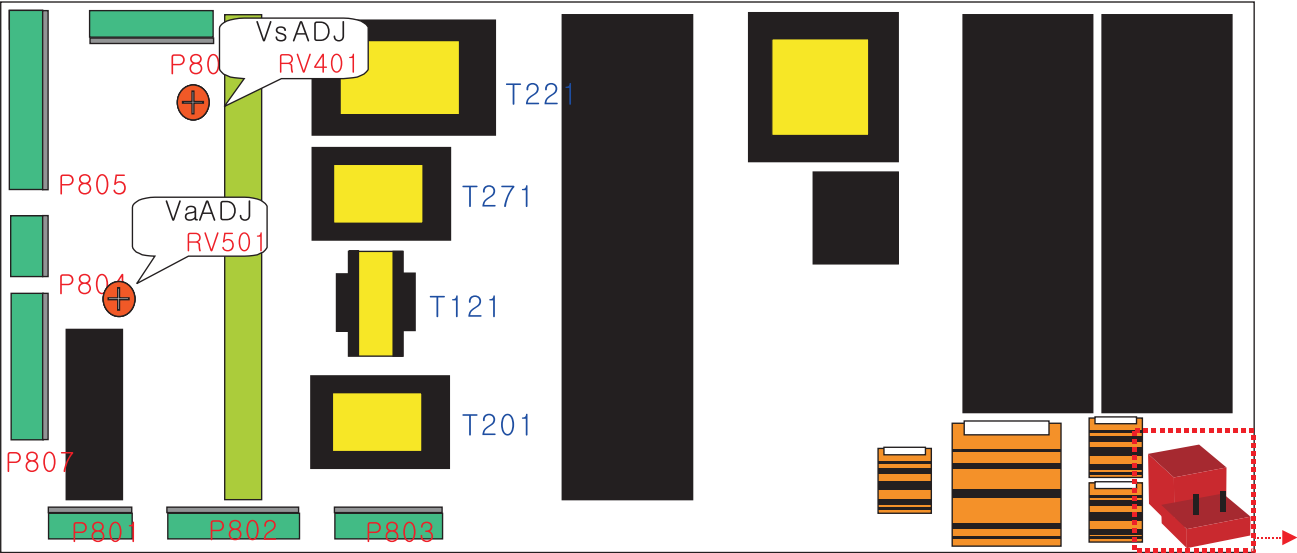
PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				
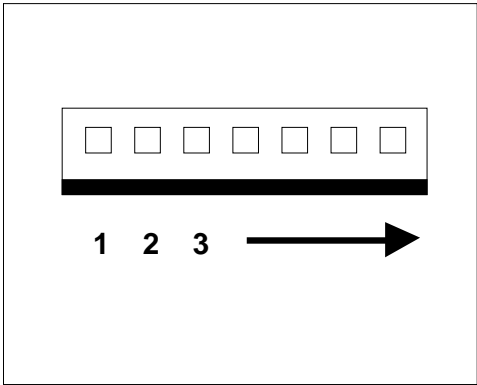
T221: Vs Trans

T271: Va Trans

T121: St-by Trans

T201: Low Voltage Trans

TROUBLE SHOOTING GUIDE

2. No Power

(1) Symptom
- No indication of Power.
- No front LED.

(2) Check follow

| Power cord connected? | --- No ---> | Plug in power cord. |

Yes ↓

| Cable connecting the Line Filter and Power Switch connected? | --- No ---> | Connect Cable. |

Yes ↓

| Is the Power Switch connected to Power Board? | --- No ---> | Connect Cable. |

Yes ↓

| Is Fuse(F101) on Power Board good? | --- No ---> | Replace Fuse. |

Yes ↓

| Is the Power Board connected to 7P of VSC Board? | --- No ---> | Connect Cable. |

Yes ↓

| When ST-BY 5V does not operate, replace Power Board. |

TROUBLE SHOOTING GUIDE

3. Protect Mode

(1) Symptom
- Will not fully turn on
- The Relay "clicks"
- Front LED changes from Green to Red

(2) Check follow

Is the Power Board good?	No →	Is output the normality Low/High voltage except Stand-by 5V?	No →	Replace Power Board.

↓ Yes

Are all connectors connected?	No →	After connecting each connector well, is operation good?	No →	Replace connector.

↓ Yes

Is the Y-Board good?	No →	Check Fuse(F52) on Y-B/D? (In case of open, replace fuse)	Yes →	Is the output voltage good after removing P5, P6 connector of Y-B/D?	Yes →	Replace Y-Board.

↓ Yes

Is the Z-Board good?	No →	Check Fuse(FS1, FS2) on Z-B/D? (In case of open, replace fuse)	Yes →	Is the output voltage good after removing P1 connector of Z-B/D?	Yes →	Replace Z-Board.

↓ Yes

Is the X-Board good?	No →	Is the output voltage good after removing P1, 2, 3, 4, 6, 7 connector of X-B/D?	Yes →	If after removing P1, P2, P3, P4 the output voltage is normal: Replace Right X-B/D. If after removing P6, P7 the output voltage is normal: Replace Left X-B/D.

↓ Yes

Is the Ctrl Board good?	No →	Is the output voltage good after removing P1, 2, 101, 300, 701, 702 connector of Ctrl-B/D?	Yes →	Replace X-Board.

↓ Yes

Is the VSC Board good?	No →	Is the output voltage good after removing P1000, P1200?	Yes →	If after removing P1000 the output is normal: Replace Analog Board. If after removing P1200 the output is normal: Replace Digital Board

↓ Yes

Is normal the COF of X, Y, Z?	No →	After crisis COF of each board, check the normality operates. If in case normality operates, correspondence COF Fail is replace the module.

TROUBLE SHOOTING GUIDE

4. No Raster

(1) Symptom
- Powers on but, no output on display.
- Front LED is green but, no Raster.

(2) Check follow

| Is the Power Board good? | --No--> | Is output the normality Low/High voltage except Stand-by 5V? | --No--> | Replace Power Board. |

↓ Yes

| Are all connectors connected? | --No--> | After connecting each connector well, is operation good? | --No--> | Replace connector. |

↓ Yes

| Is the Y-Board good? | --No--> | Check Fuse(F52) on Y-B/D? (In case of open, replace fuse) | --Yes--> | Is the output voltage good after removing P5, P6 connector of Y-B/D? | --Yes--> | Replace Y-Board. |

↓ Yes

| Is the Z-Board good? | --No--> | Check Fuse(FS1, FS2) on Z-B/D? (In case of open, replace fuse) | --Yes--> | Is the output voltage good after removing P1 connector of Z-B/D? | --Yes--> | Replace Z-Board. |

↓ Yes

| Is the X-Board good? | --No--> | Is the output voltage good after removing P1, 2, 3, 4, 6, 7 connector of X-B/D? | --Yes--> | If after removing P1, P2, P3, P4 the output voltage is normal: Replace Right X-B/D. If after removing P6, P7 the output voltage is normal: Replace Left X-B/D. |

↓ Yes

| Is the Ctrl Board good? | --No--> | Is the output voltage good after removing P1, 2, 101, 300, 701, 702 connector of Ctrl-B/D? | --Yes--> | Replace X-Board. |

↓ Yes

| Is the VSC Board good? | --No--> | Is the output voltage good after removing P1000, P1200? | --Yes--> | If after removing P1000 the output is normal: Replace Analog Board If after removing P1200 the output is normal: Replace Digital Board |

↓ Yes

| Is normal the COF of X, Y, Z? | --No--> | After crisis COF of each board, check the normality operates. If in case normality operates, correspondence COF Fail is replace the module. |

TROUBLE SHOOTING GUIDE

5. Abnormal Display

5-1. No OSD

(1) Symptom
- LED is green
- No OnScreen Display

(2) Check follow

```
┌─────────────────┐   No    ┌──────────────────┐   Yes   ┌──────────────────┐
│ Check the LVDS  │ ------> │ Is the LVDS cable │ ------> │  Replace cable.  │
│ cable?          │         │ connected well?   │         │                  │
└─────────────────┘         └──────────────────┘         └──────────────────┘
        │                            │ No
      Yes                            ▼
        │                   ┌──────────────────┐
        │                   │   Reset cable.   │
        ▼                   └──────────────────┘
┌─────────────────┐   No    ┌──────────────┐  Yes  ┌────────────┐  Yes  ┌─────────────┐  Yes  ┌──────────────┐
│ Is the VSC      │ ------> │ Operates the │ ----> │ Check      │ ----> │ Check       │ ----> │ Replace      │
│ Digital Board   │         │ Thine        │       │ IEP(IC500)?│       │ Scaler      │       │ VSC Digital  │
│ good?           │         │ IC(IC1100)?  │       │            │       │ (IC700)?    │       │ B/D.         │
└─────────────────┘         └──────────────┘       └────────────┘       └─────────────┘       └──────────────┘
        │                          │ No                  │ No                  │ No
      Yes                          ▼                     ▼                     ▼
        │                  ┌──────────────┐      ┌──────────────┐      ┌──────────────┐
        │                  │ Replace Thine│      │ Replace      │      │ Replace      │
        │                  │ IC(IC1100).  │      │ IEP(IC500).  │      │ Scaler(IC700)│
        ▼                  └──────────────┘      └──────────────┘      └──────────────┘
┌─────────────────┐   No    ┌──────────────────┐
│ Is the Ctrl     │ ------> │ Replace Ctrl B/D.│
│ Board good?     │         │                  │
└─────────────────┘         └──────────────────┘
```
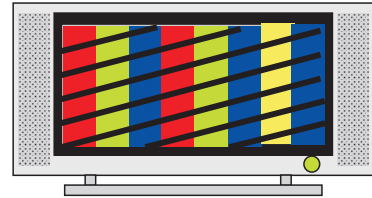
TROUBLE SHOOTING GUIDE

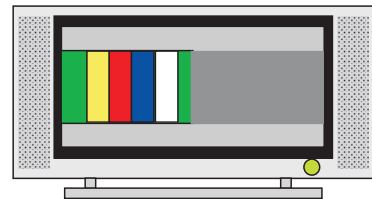## 5-2. In case of does't display the screen into specific mode

(1) Symptom
- The screen does not become the display from specific input mode (AV, Component, RGB, DVI).
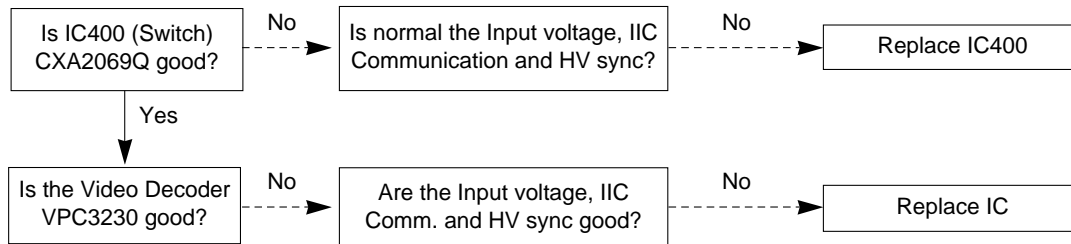
(2) Check follow
- Check the all input mode should become normality display.
- Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)
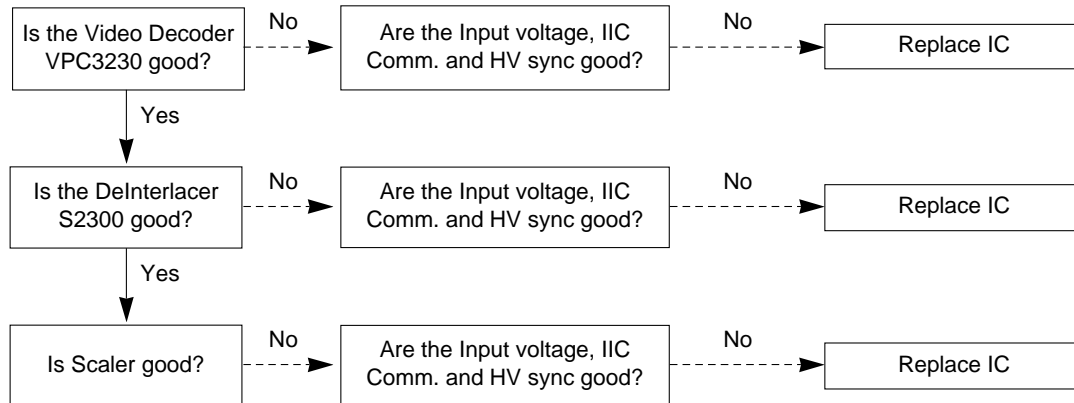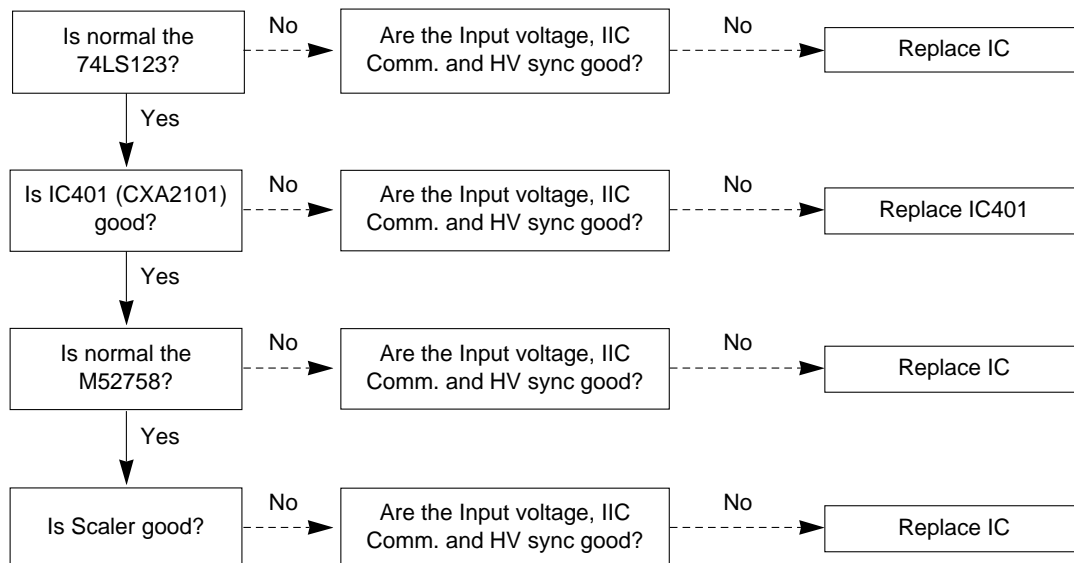
(3) Abnormal display in AV mode

```
Is IC400 (Switch)      No      Is normal the Input voltage, IIC     No      Replace IC400
CXA2069Q good?    - - - - ->   Communication and HV sync?    - - - - ->

      | Yes
      v

Is the Video Decoder   No      Are the Input voltage, IIC           No      Replace IC
VPC3230 good?     - - - - ->   Comm. and HV sync good?       - - - - ->
```

TROUBLE SHOOTING GUIDE

(4) Abnormal display in Component 480i mode

| Is the Video Decoder VPC3230 good? | --No--> | Are the Input voltage, IIC Comm. and HV sync good? | --No--> | Replace IC |

Yes ↓

| Is the DeInterlacer S2300 good? | --No--> | Are the Input voltage, IIC Comm. and HV sync good? | --No--> | Replace IC |

Yes ↓

| Is Scaler good? | --No--> | Are the Input voltage, IIC Comm. and HV sync good? | --No--> | Replace IC |

(5) Abnormal display in Component DTV mode(480p, 720p, 1080i)

| Is normal the 74LS123? | --No--> | Are the Input voltage, IIC Comm. and HV sync good? | --No--> | Replace IC |

Yes ↓

| Is IC401 (CXA2101) good? | --No--> | Are the Input voltage, IIC Comm. and HV sync good? | --No--> | Replace IC401 |

Yes ↓

| Is normal the M52758? | --No--> | Are the Input voltage, IIC Comm. and HV sync good? | --No--> | Replace IC |

Yes ↓

| Is Scaler good? | --No--> | Are the Input voltage, IIC Comm. and HV sync good? | --No--> | Replace IC |

TROUBLE SHOOTING GUIDE

(6) Abnormal display in RGB DTV mode

| Is normal the CXA2101? | No ---> | Are the Input voltage, IIC Comm. and HV sync good? | No ---> | Replace IC |

Yes ↓

| Is normal the M52758? | No ---> | Are the Input voltage, IIC Comm. and HV sync good? | No ---> | Replace IC |

Yes ↓

| Is normal the Scaler? | No ---> | Are the Input voltage, IIC Comm. and HV sync good? | No ---> | Replace IC |
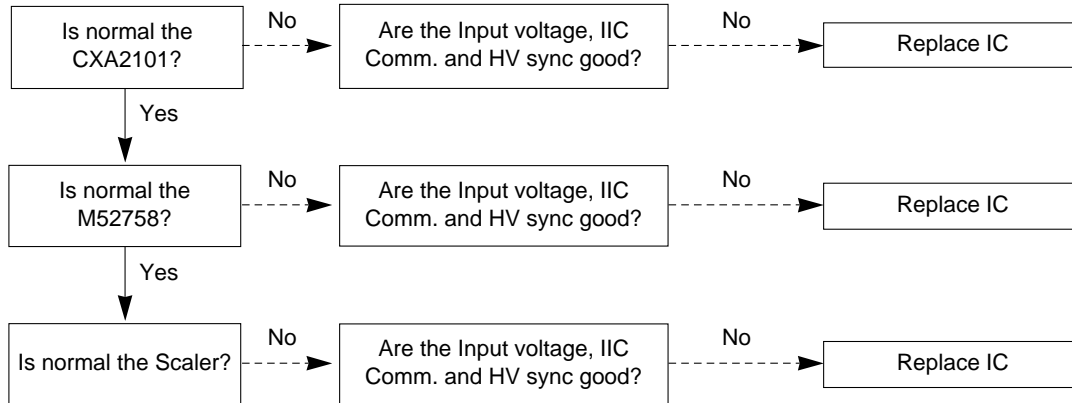
(7) Abnormal display in RGB PC mode

| Is normal the M52758? | No ---> | Are the Input voltage, IIC Comm. and HV sync good? | No ---> | Replace IC |

Yes ↓

| Is normal the Scaler? | No ---> | Are the Input voltage, IIC Comm. and HV sync good? | No ---> | Replace IC |
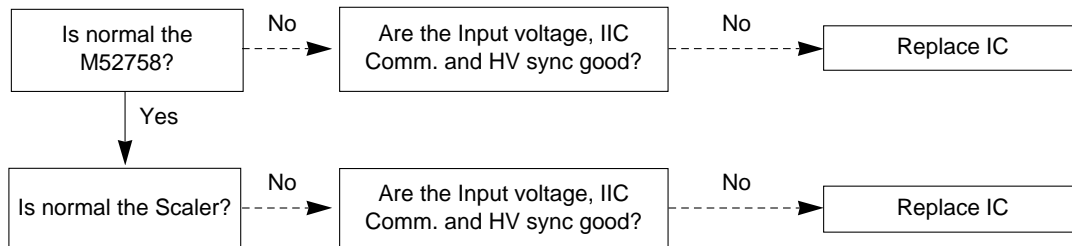
(8) Abnormal display in DVI mode

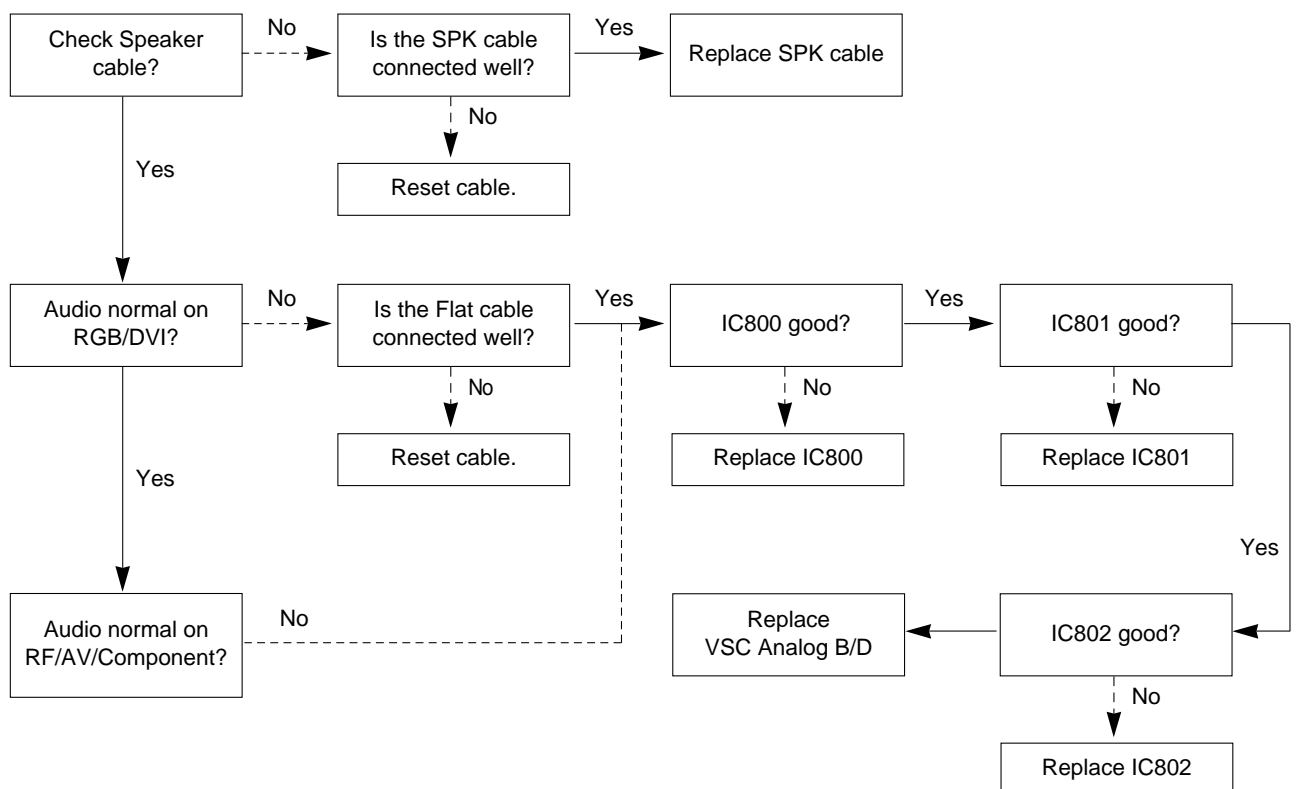| Is normal the Scaler? | No ---> | Are the Input voltage, IIC Comm. and HV sync good? | No ---> | Replace IC |
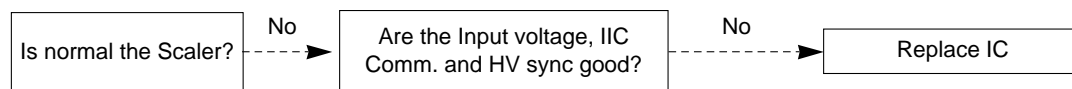
TROUBLE SHOOTING GUIDE

6. No sound

(1) Symptom
- LED is green
- Screen display but no audio

(2) Check follow

```
Check Speaker     --No-->  Is the SPK cable      --Yes-->  Replace SPK cable
cable?                     connected well?
   |                            |
  Yes                          No
   |                            |
   v                            v
                            Reset cable.


Audio normal on   --No-->  Is the Flat cable     --Yes-->  IC800 good?  --Yes-->  IC801 good?
RGB/DVI?                   connected well?                     |                      |
   |                            |                             No                     No
  Yes                          No                             |                      |
   |                            |                             v                      v
   v                            v                        Replace IC800          Replace IC801
                            Reset cable.
                                                                                              Yes
Audio normal on   --No-->                           Replace          <--  IC802 good?  <--
RF/AV/Component?                                     VSC Analog B/D             |
                                                                              No
                                                                               |
                                                                               v
                                                                          Replace IC802
```
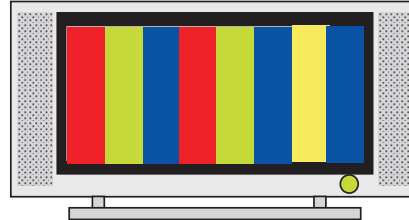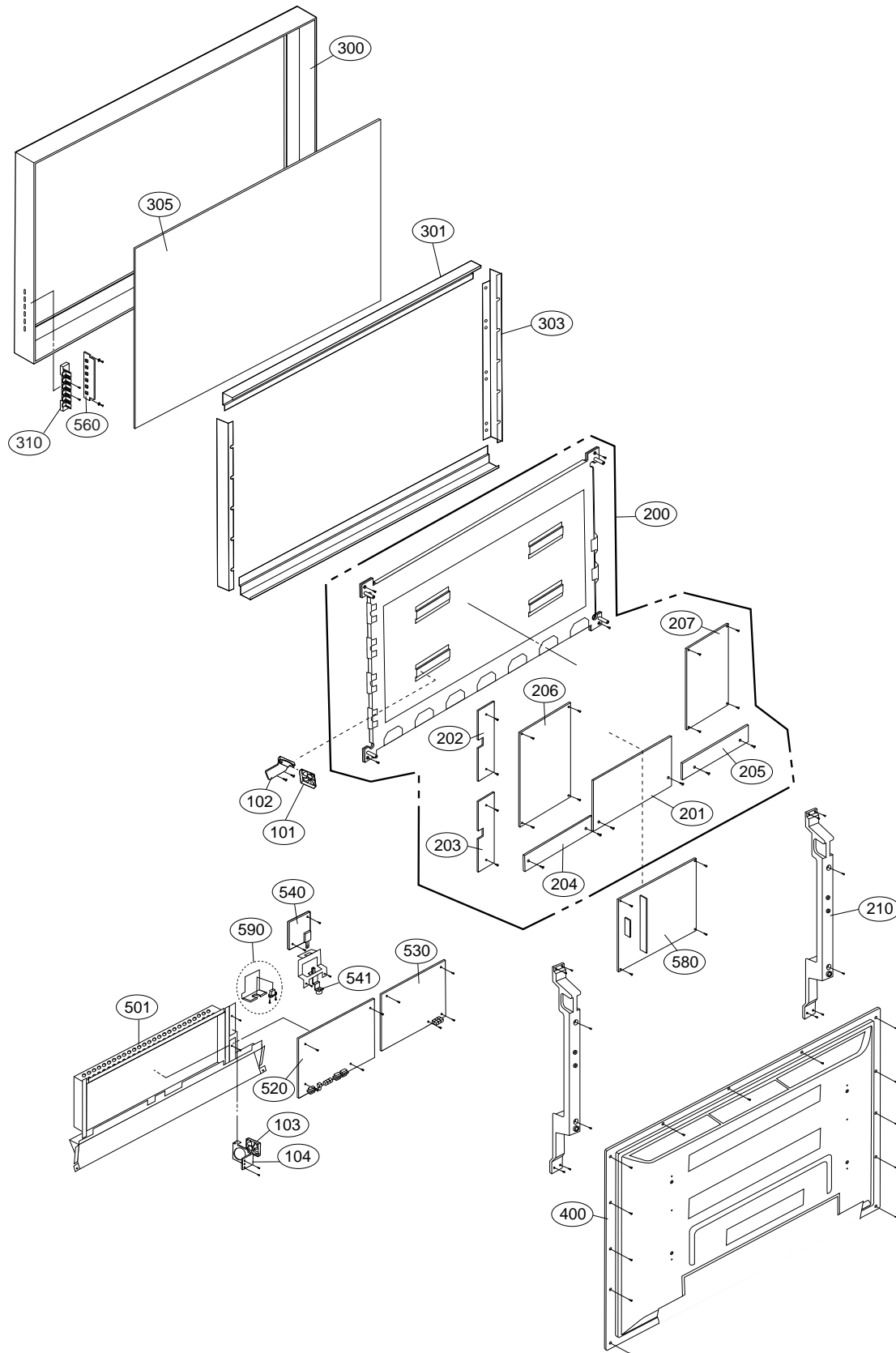
BLOCK DIAGRAM
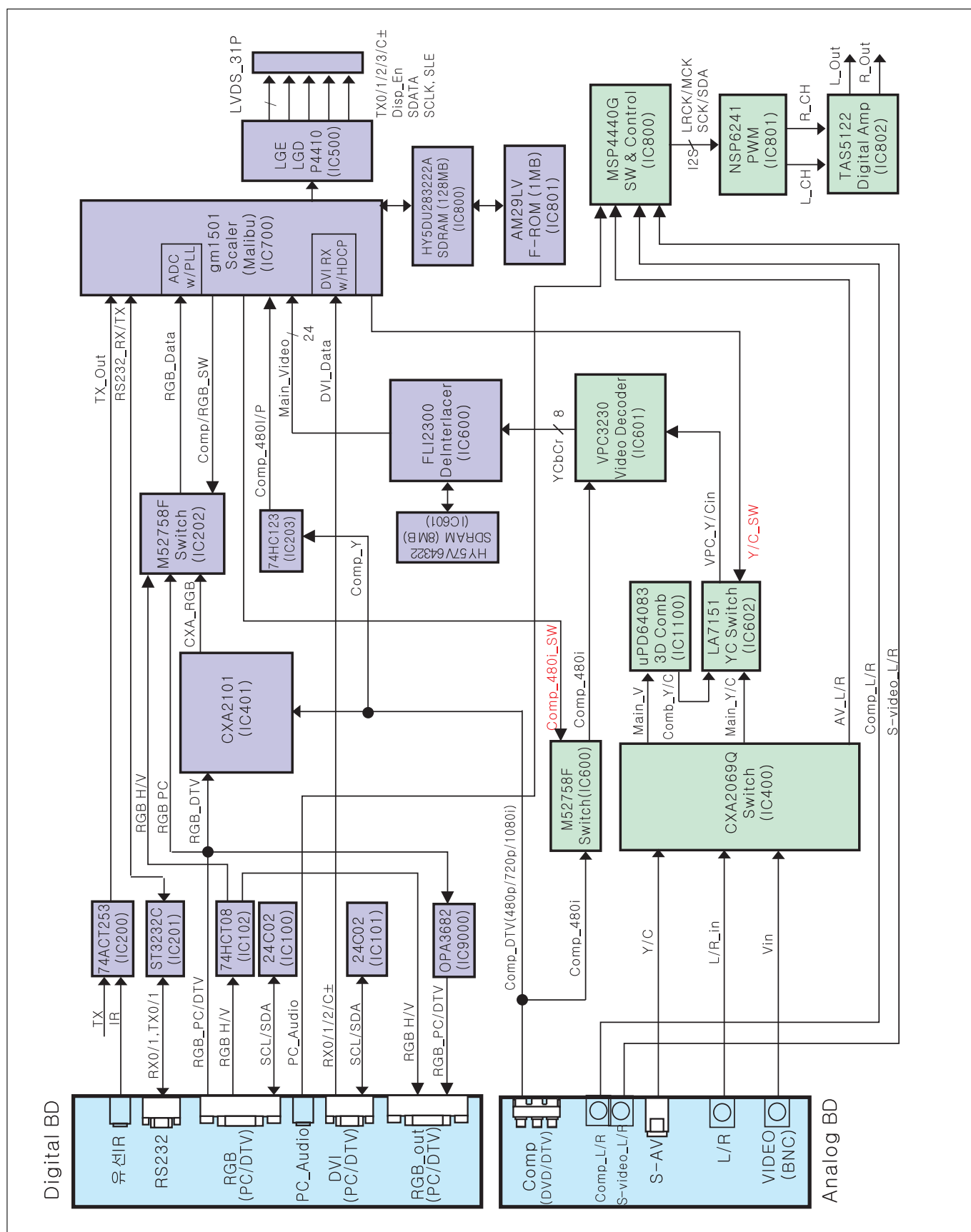
NOTES

EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900V04009A	FAN,DC412F/39M PAPST 40*40*10 12V/45MA 4300RPM 17 PDP42
102	4980V00D45A	SUPPORTER,FAN EGI APPLY FOR 42PM10 ,VGA RIGHT
103	5900V04009A	FAN,DC412F/39M PAPST 40*40*10 12V/45MA 4300RPM 17 PDP42
104	4980V00D56A	SUPPORTER,FAN EGI MU-42PM11
200	6348Q-E069A	PDP,42 16:9 852*480 PDP42V60051.AKLGG
201	6871QCH034A	PCB ASSEMBLY,DISPLAY CTRL ASSY 42V6 NEW MCM(1222) LVDS
202	6871QDH066A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42V6 YDRV TOP ASSY
203	6871QDH067A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42V6 YDRV BTM ASSY
204	6871QLH034A	PCB ASSEMBLY,DISPLAY XRLT ASSY 42V6_XL(4LAYER)
205	6871QRH037A	PCB ASSEMBLY,DISPLAY XRRT ASSY 42V6_XR(4LAYER)
206	6871QYH029A	PCB ASSEMBLY,DISPLAY YSUS ASSY 42V6
207	6871QZH033A	PCB ASSEMBLY,DISPLAY ZSUS ASSY 42V6
210	4980V00C62A	SUPPORTER ASSY,ZDC SUPP. MODULE VERTICAL
300	3091V00731C	CABINET ASSEMBLY,42PM12X NON RF043A 2TONE
301	4980V00C59A	SUPPORTER ASSY,EGI SUPP. FILTER TOP
303	4980V00C61A	SUPPORTER ASSY,EGI SUPP. FILTER RIGHT
305	3790V00709B	FILTER(MECH),LGM42-01 MITSUI 42 ETCHING MESH GLASS FILTER
310	5020V01004A	BUTTON,CONTROL 50PM10 NON 6KEY NON
400	3809V00504A	BACK COVER ASSEMBLY
501	3301V00043C	PLATE ASSEMBLY,3301V00042B PLATE VSC ASSY MU-42PM10
520	6871VMMU18A	PCB ASSEMBLY,MAIN RF-043E MU-42PM10 MAIN DIGITAL B/D MANUAL
530	6871VSMH21A	PCB ASSEMBLY,SUB TUNER RF043E MU-42PM11 ANALOG B/D MANUAL
540	6871VSMABFA	PCB ASSEMBLY,SUB PSW RF043A MAILBU
541	5020V01009A	BUTTON,POWER MZ-42PM10 ABS, AF-303S 1KEY NON
560	6871VSMG62A	PCB ASSEMBLY,SUB CONT RF043E MU-42PM10 LOCAL KEY ASSY
580	3501V00182B	BOARD ASSEMBLY,POWER RT-42PX12X RF043B SONY APS-208/B
590	3141VSNH37A	CHASSIS ASSEMBLY,SUB RF04GA AC INLET ASSY

EXPLODED VIEW PARTS LIST
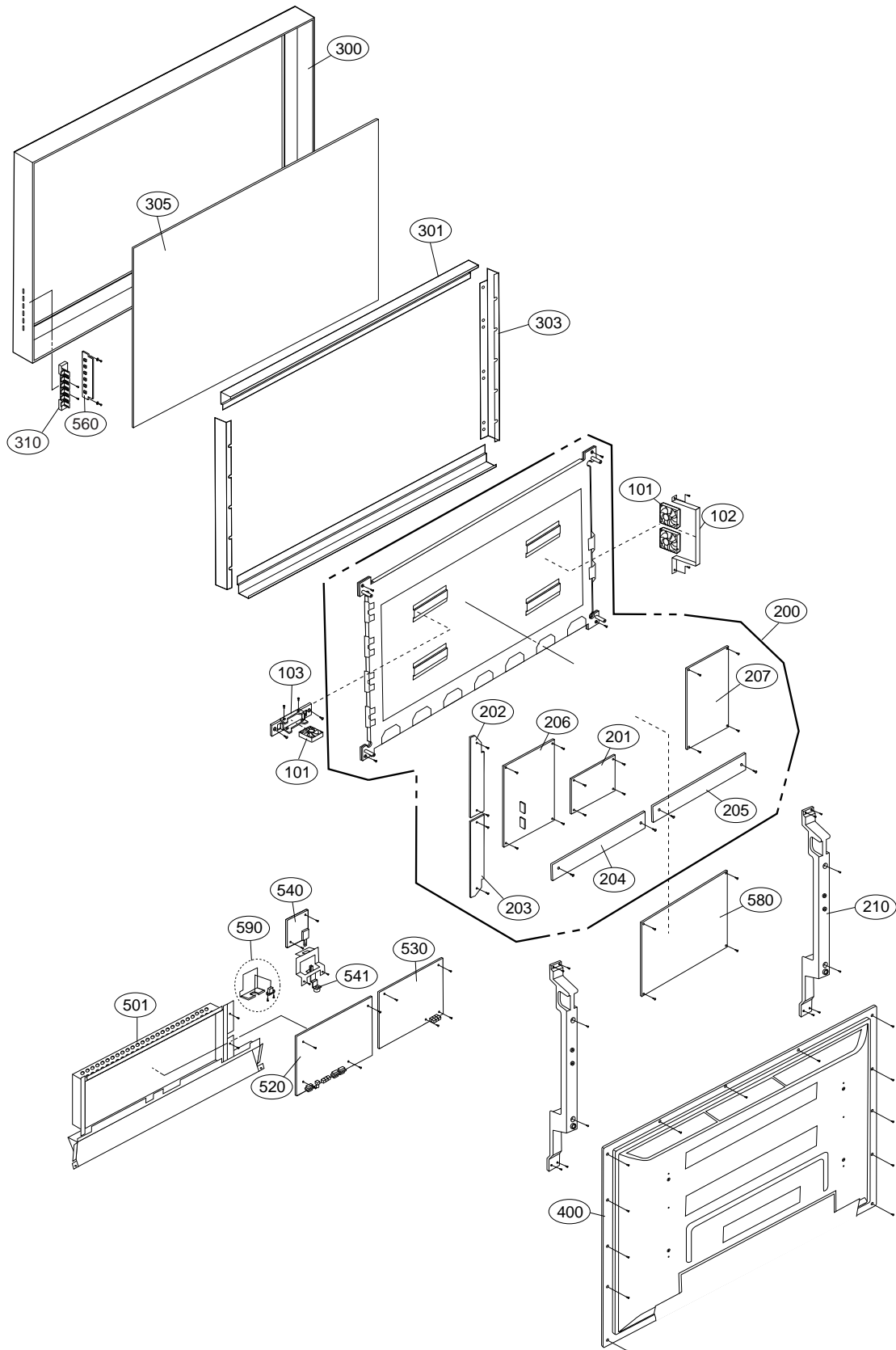
No.	Part No.	Description
101	5900V06008B	FAN,DCG6015S12B2-RG 60*60*15 7V 1900RPM 6/12V L=500MM
102	4980V00C49A	SUPPORTER,FAN SECC(EGI) DULE MZ-42PM10
103	4980V00D43A	SUPPORTER,FAN SECC(EGI) MZ-42PM10 NCT
200	6348Q-E042D	PDP,42 16:9 1024*768 PDP42X20000.AKLGG
201	6871QCH038A	PCB ASSEMBLY,DISPLAY CTRL ASSY 42X2 CTRL LGDP4023,4013
202	6871QDH068A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42X2 YDRV TOP
203	6871QDH069A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42X2 YDRV BOTTOM
204	6871QLH037A	PCB ASSEMBLY,DISPLAY XRLT ASSY 42X2 X-LEFT(TCP)
205	6871QRH043A	PCB ASSEMBLY,DISPLAY XRRT ASSY 42X2 X-RIGHT (TCP)
206	6871QYH030A	PCB ASSEMBLY,DISPLAY YSUS ASSY FOR 42X2
207	6871QZH034A	PCB ASSEMBLY,DISPLAY ZSUS ASSY FOR 42X2
210	4980V00C62A	SUPPORTER ASSY,ZDC SUPP. MODULE VERTICAL
300	3091V00731G	CABINET ASSEMBLY,42PM12X NON RF043A 2TONE
301	4980V00C59C	SUPPORTER ASSY,EGI SUPP. FILTER TOP
303	4980V00C61D	SUPPORTER ASSY,EGI SUPP. FILTER RIGHT
305	3790V00709B	FILTER(MECH),LGM42-01 MITSUI 42 ETCHING MESH GLASS FILTER
310	5020V01004A	BUTTON,CONTROL 50PM10 NON 6KEY NON
400	3809V00504A	BACK COVER ASSEMBLY
501	3301V00043G	PLATE ASSEMBLY,3301V00042B PLATE VSC ASSY MU-42PM10
520	6871VMMU18B	PCB ASSEMBLY,MAIN RF-043E MU-42PM10X MAIN DIGITAL B/D MANUAL
530	6871VSMACBB	PCB ASSEMBLY,SUB A/V RF043E MU-42PM10X SUB ANALOG MANAUL
540	6871VSMABFA	PCB ASSEMBLY,SUB PSW RF043A MAILBU
541	5020V01009A	BUTTON,POWER MZ-42PM10 ABS, AF-303S 1KEY NON
560	6871VSMG62A	PCB ASSEMBLY,SUB CONT RF043E MU-42PM10 LOCAL KEY ASSY
580	3501V00182B	BOARD ASSEMBLY,POWER RT-42PX12X RF043B SONY APS-208/B
590	3141VSNH37A	CHASSIS ASSEMBLY,SUB RF04GA AC INLET ASSY

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
IC		
IC100	0IMMRAL014B	AT24C02N-10SI-2.7 8P
IC1000	0IMCRFA010A	KA7809R 2P
IC1001	0IPRPML001A	MIC39100 3P SOT223
IC1002	0IMCRSH001A	PQ05DZ1U SHARP 5
IC101	0IMMRAL014B	AT24C02N-10SI-2.7 8P
IC102	0IMCRTI003A	SN74HCT08D 16P
IC103	0IMCRTI021A	SN74LVTH541PWR 20P
IC104	0IMCRTI021A	SN74LVTH541PWR 20P
IC1100	0IMMRNE002A	UPD64083GF3BA 100
IC1100	0IMCRTH002A	THC63LVD103 64P
IC1101	0ISA715100D	LA7151M 10SOP AUDIO SW
IC1200	0IMCRSJ001A	SC1565IST-1.8 3P SOT223
IC1201	0IPRPML001A	MIC39100 3P SOT223
IC1202	0IMCRFA010A	KA7809R 2P
IC1300	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3
IC1301	0IMCRSH001A	PQ05DZ1U SHARP 5
IC1302	0IMCRSH001A	PQ05DZ1U SHARP 5
IC1303	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3
IC1304	0IMCRSJ001A	SC1565IST-1.8 3P SOT223
IC1305	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3
IC1306	0IPRPML001A	MIC39100 3P SOT223
IC1307	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3
IC200	0IFA742530B	74ACT253SC 16P
IC201	0IMCRSG010A	ST3232CDR SOP16 RS232
IC202	0IMCRMI006A	M52758FP 36PIN
IC203	0ISTLSG009A	M74HC123RM13TR 16P
IC400	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC401	0ISO210100B	CXA2101AQ 80P VIDEO SIGNAL
IC403	0ISTLSG009A	M74HC123RM13TR 16P
IC500	0ICTMLG018A	LGDP4410 LG IC 176P
IC5001	0IKE780500Q	KIA7805API 3P TO-220
IC5003	0ISH092100B	PQ09RD21 4SIP
IC5004	0ISH092100B	PQ09RD21 4SIP
IC5004	0ISH122100B	PQ12RD21 4SIP
IC5005	0IMI623200B	M62320FP 16P
IC5006	0IDS162100B	DS1621V 8P
IC5007	0ISH122100B	PQ12RD21 4SIP
IC600	0IMCRMI006A	M52758FP 36PIN
IC600	0IMCRGN002C	FLI2300BD 208P DIGITAL VIDEO
IC601	0IMMRHY033A	HY57V643220C(L)T-6 86P
IC601	0IIT323000E	VPC3230D C5 80P VIDEO PROCESSOR
IC602	0ISA715100D	LA7151M 10SOP AUDIO SW
IC700	0IPRPGN012A	GM1501HBD 416P
IC701	0IMMRAL025A	AT24C32AN-10SI-2.7 8PIN
IC702	0IKE704200J	KIA7042AF SOT-89 TP 4.2V
IC800	0IMCRMN027D	MSP4440K 80P MULTI SOUND

LOCA. NO	PART NO	DESCRIPTION
IC800	0IMMRHY020B	HY5DU283222AQ-5 100P
IC801	0IMMRMR023B	MX29LV800BTTC-70 48P
IC801	0IMCRNL001A	NSP-6241B 64P DIGITAL AUDIO
IC802	0IMCRTI028C	TAS5122DCAR 56P
IC803	0IPRPJR017A	NJU26901E2 8P DIGITAL AUDIO
IC805	0IKE704200J	KIA7042AF SOT-89 TP 4.2V
IC9000	0IPRPBB005A	OPA3692IDBQ 16PIN
TRANSISTOR		
Q001	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q002	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q100	0TR830009BA	BSS83
Q101	0TR830009BA	BSS83
Q102	0TR830009BA	BSS83
Q103	0TR830009BA	BSS83
Q1100	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1101	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1102	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1103	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1104	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1105	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1106	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1107	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1108	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1109	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1110	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1111	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1112	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1113	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1114	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1115	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1116	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1117	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1118	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1119	0TR102009AG	CHIP KRC102S SOT-23
Q1200	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1202	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1501	0TR830009BA	BSS83
Q1503	0TR830009BA	BSS83
Q207	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q208	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q209	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q210	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q211	0TR104009AF	CHIP KRC104S SOT-23
Q214	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q300	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) KEC

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q305	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q308	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q309	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q310	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q319	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q320	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q400	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q400	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q401	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q402	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q403	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q403	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q405	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q406	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q600	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q601	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q602	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q603	0TR387500AA	CHIP 2SC3875S(ALY) KEC

DIODE

LOCA. NO	PART NO	DESCRIPTION
D100	0DD226239AA	CHIP KDS226 SOT-23
D1000	0DD226239AA	CHIP KDS226 SOT-23
D1002	0DD226239AA	CHIP KDS226 SOT-23
D1003	0DD226239AA	CHIP KDS226 SOT-23
D101	0DD226239AA	CHIP KDS226 SOT-23
D102	0DD226239AA	CHIP KDS226 SOT-23
D105	0DD184009AA	KDS184S CHIP 85V 300MA
D106	0DD184009AA	KDS184S CHIP 85V 300MA
D116	0DD226239AA	CHIP KDS226 SOT-23
D117	0DD226239AA	CHIP KDS226 SOT-23
D118	0DD226239AA	CHIP KDS226 SOT-23
D119	0DD226239AA	CHIP KDS226 SOT-23
D120	0DD226239AA	CHIP KDS226 SOT-23
D1200	0DD226239AA	CHIP KDS226 SOT-23
D1201	0DD226239AA	CHIP KDS226 SOT-23
D1206	0DD226239AA	CHIP KDS226 SOT-23
D121	0DD226239AA	CHIP KDS226 SOT-23
D122	0DD226239AA	CHIP KDS226 SOT-23
D123	0DD226239AA	CHIP KDS226 SOT-23
D124	0DD226239AA	CHIP KDS226 SOT-23
D125	0DD226239AA	CHIP KDS226 SOT-23
D126	0DD226239AA	CHIP KDS226 SOT-23
D127	0DD226239AA	CHIP KDS226 SOT-23
D128	0DD226239AA	CHIP KDS226 SOT-23
D129	0DD226239AA	CHIP KDS226 SOT-23
D130	0DD226239AA	CHIP KDS226 SOT-23
D1300	0DD226239AA	CHIP KDS226 SOT-23

LOCA. NO	PART NO	DESCRIPTION
D1301	0DD226239AA	CHIP KDS226 SOT-23
D1302	0DD226239AA	CHIP KDS226 SOT-23
D1303	0DD226239AA	CHIP KDS226 SOT-23
D1304	0DD226239AA	CHIP KDS226 SOT-23
D1305	0DD226239AA	CHIP KDS226 SOT-23
D1306	0DD226239AA	CHIP KDS226 SOT-23
D131	0DD226239AA	CHIP KDS226 SOT-23
D1501	0DD226239AA	CHIP KDS226 SOT-23
D1503	0DD226239AA	CHIP KDS226 SOT-23
D400	0DD184009AA	KDS184S CHIP 85V 300MA
D5001	0DD100009AM	EU1ZV(1)
LD001	0DL200000CA	LED,SAM5670(DL-2LRG)
LD1000	0DL233309AC	LED,SAM2333
LD1001	0DL233309AC	LED,SAM2333
LD1002	0DL233309AC	LED,SAM2333
LD1003	0DL233309AC	LED,SAM2333
LD1100	0DL233309AC	LED,SAM2333
LD1203	0DL233309AC	LED,SAM2333
LD1204	0DL233309AC	LED,SAM2333
LD1206	0DL233309AC	LED,SAM2333
LD1207	0DL233309AC	LED,SAM2333
ZD100	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD101	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD102	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD103	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD104	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD105	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD400	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD401	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD800	0DZ820009AH	ZENERS,MTZJ8.2B

CAPACITOR

LOCA. NO	PART NO	DESCRIPTION
C002	0CE476SF6DC	47UF MVG 16V M
C1002	0CE227VF6DC	220UF MV 16V 20%
C1006	0CE477SF6DC	470UF MVG 16V 20%
C1016	0CE107SF6DC	100UF MVG 16V M
C1017	0CE107SF6DC	100UF MVG 16V M
C1018	0CE107SF6DC	100UF MVG 16V M
C1020	0CE107SF6DC	100UF MVG 16V M
C1022	0CE477SF6DC	470UF MVG 16V 20%
C1027	0CE107SF6DC	100UF MVG 16V M
C1031	0CE477SF6DC	470UF MVG 16V 20%
C1037	0CE477SF6DC	470UF MVG 16V 20%
C1042	0CE477SF6DC	470UF MVG 16V 20%
C1045	0CE107SF6DC	100UF MVG 16V M
C1058	0CE107SF6DC	100UF MVG 16V M
C1059	0CE477DJ618	470UF STD 35V 20%
C1060	0CE227VF6DC	220UF MV 16V 20%
C1063	0CE227VF6DC	220UF MV 16V 20%
C1067	0CE477DJ618	470UF STD 35V 20%
C1072	0CE107SF6DC	100UF MVG 16V M

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C1074	0CE107SF6DC	100UF MVG 16V M	C1391	0CE477SF6DC	470UF MVG 16V 20%
C1077	0CE107SF6DC	100UF MVG 16V M	C1400	0CE476SF6DC	47UF MVG 16V M
C1108	0CE106SF6DC	10UF MVG 16V 20%	C1402	0CE476SF6DC	47UF MVG 16V M
C1128	0CE106SF6DC	10UF MVG 16V 20%	C1404	0CE477SF6DC	470UF MVG 16V 20%
C1129	0CN105EJ56A	1.0UF 3216 35V 10%	C1410	0CE477SF6DC	470UF MVG 16V 20%
C1145	0CN105EJ56A	1.0UF 3216 35V 10%	C1415	0CE477SF6DC	470UF MVG 16V 20%
C1146	0CE106SF6DC	10UF MVG 16V 20%	C1425	0CE107SF6DC	100UF MVG 16V M
C1147	0CE106SF6DC	10UF MVG 16V 20%	C222	0CE476XFKDC	47UF MVK-BP,CN 16V 20%,-20%
C1152	0CE106SF6DC	10UF MVG 16V 20%	C223	0CE476XFKDC	47UF MVK-BP,CN 16V 20%,-20%
C1159	0CE476SF6DC	47UF MVG 16V M	C224	0CE476XFKDC	47UF MVK-BP,CN 16V 20%,-20%
C1160	0CE476SF6DC	47UF MVG 16V M	C230	0CE107SF6DC	100UF MVG 16V M
C120	0CE476SF6DC	47UF MVG 16V M	C251	0CE106SF6DC	10UF MVG 16V 20%
C1202	0CE476SF6DC	47UF MVG 16V M	C254	0CN105EJ56A	1.0UF 3216 35V 10%
C1205	0CE107SF6DC	100UF MVG 16V M	C258	0CE476SF6DC	47UF MVG 16V M
C1206	0CE477SF6DC	470UF MVG 16V 20%	C261	0CE476SF6DC	47UF MVG 16V M
C121	0CE476SF6DC	47UF MVG 16V M	C263	0CE476SF6DC	47UF MVG 16V M
C1211	0CE477SF6DC	470UF MVG 16V 20%	C272	0CE107SF6DC	100UF MVG 16V M
C1212	0CE477SF6DC	470UF MVG 16V 20%	C274	0CE107SF6DC	100UF MVG 16V M
C1215	0CE477SF6DC	470UF MVG 16V 20%	C301	0CE476SF6DC	47UF MVG 16V M
C1216	0CE227VF6DC	220UF MV 16V 20%	C303	0CE476SF6DC	47UF MVG 16V M
C1218	0CE477SF6DC	470UF MVG 16V 20%	C316	0CE476SF6DC	47UF MVG 16V M
C1220	0CE227VF6DC	220UF MV 16V 20%	C317	0CE476SF6DC	47UF MVG 16V M
C1223	0CE107SF6DC	100UF MVG 16V M	C334	0CE476SF6DC	47UF MVG 16V M
C1229	0CE227VF6DC	220UF MV 16V 20%	C335	0CE476SF6DC	47UF MVG 16V M
C1233	0CE477SF6DC	470UF MVG 16V 20%	C400	0CE227VF6DC	220UF MV 16V 20%
C1249	0CE227VF6DC	220UF MV 16V 20%	C401	0CE476SF6DC	47UF MVG 16V M
C1250	0CE227VF6DC	220UF MV 16V 20%	C402	0CE107SF6DC	100UF MVG 16V M
C1251	0CE477SF6DC	470UF MVG 16V 20%	C404	0CE227VF6DC	220UF MV 16V 20%
C1254	0CE227VF6DC	220UF MV 16V 20%	C406	0CE476SF6DC	47UF MVG 16V M
C1256	0CE227VF6DC	220UF MV 16V 20%	C410	0CE107SF6DC	100UF MVG 16V M
C1257	0CE227VF6DC	220UF MV 16V 20%	C423	0CE105SK6DC	1UF MVG 50V M
C1259	0CE227VF6DC	220UF MV 16V 20%	C429	0CE107SF6DC	100UF MVG 16V M
C1273	0CE476SF6DC	47UF MVG 16V M	C435	0CE107SF6DC	100UF MVG 16V M
C1274	0CE107SF6DC	100UF MVG 16V M	C440	0CE106SF6DC	10UF MVG 16V 20%
C1275	0CE107SF6DC	100UF MVG 16V M	C442	0CE106SF6DC	10UF MVG 16V 20%
C1279	0CE107SF6DC	100UF MVG 16V M	C5007	0CE107SF6DC	100UF MVG 16V M
C1305	0CE107SF6DC	100UF MVG 16V M	C5009	0CE107SF6DC	100UF MVG 16V M
C1314	0CE476SF6DC	47UF MVG 16V M	C5016	0CE227VF6DC	220UF MV 16V 20%
C1315	0CE107SF6DC	100UF MVG 16V M	C5017	0CE105CK636	1UF SHL,SD 50V M
C1317	0CE107SF6DC	100UF MVG 16V M	C5018	0CE105CK636	1UF SHL,SD 50V M
C1331	0CE477SF6DC	470UF MVG 16V 20%	C5023	0CE105CK636	1UF SHL,SD 50V M
C1333	0CE477SF6DC	470UF MVG 16V 20%	C5025	0CE105CK636	1UF SHL,SD 50V M
C1353	0CE477SF6DC	470UF MVG 16V 20%	C601	0CE107SF6DC	100UF MVG 16V M
C1355	0CE477SF6DC	470UF MVG 16V 20%	C608	0CE476SF6DC	47UF MVG 16V M
C1362	0CE107SF6DC	100UF MVG 16V M	C611	0CE476SF6DC	47UF MVG 16V M
C1366	0CE227VF6DC	220UF MV 16V 20%	C612	0CE476SF6DC	47UF MVG 16V M
C1368	0CE227VF6DC	220UF MV 16V 20%	C614	0CE476SF6DC	47UF MVG 16V M
C1373	0CE107SF6DC	100UF MVG 16V M	C626	0CE107SF6DC	100UF MVG 16V M
C1374	0CE476SF6DC	47UF MVG 16V M	C627	0CE107SF6DC	100UF MVG 16V M
C1384	0CE476SF6DC	47UF MVG 16V M	C632	0CE107SF6DC	100UF MVG 16V M
C1388	0CE476SF6DC	47UF MVG 16V M	C634	0CE106SF6DC	10UF MVG 16V 20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C637	0CE106SF6DC	10UF MVG 16V 20%
C651	0CE106SF6DC	10UF MVG 16V 20%
C671	0CE106SF6DC	10UF MVG 16V 20%
C672	0CE106SF6DC	10UF MVG 16V 20%
C673	0CE106SF6DC	10UF MVG 16V 20%
C674	0CE106SF6DC	10UF MVG 16V 20%
C703	0CE226SF6DC	22UF MVG 16V 20%
C720	0CE226SF6DC	22UF MVG 16V 20%
C723	0CE226SF6DC	22UF MVG 16V 20%
C737	0CE226SF6DC	22UF MVG 16V 20%
C744	0CE226SF6DC	22UF MVG 16V 20%
C752	0CE226SF6DC	22UF MVG 16V 20%
C757	0CE226SF6DC	22UF MVG 16V 20%
C762	0CE226SF6DC	22UF MVG 16V 20%
C769	0CE226SF6DC	22UF MVG 16V 20%
C777	0CE226SF6DC	22UF MVG 16V 20%
C778	0CE226SF6DC	22UF MVG 16V 20%
C785	0CE335SK6DC	3.3UF MVG 50V 20%
C800	0CE226SF6DC	22UF MVG 16V 20%
C801	0CE226SF6DC	22UF MVG 16V 20%
C802	0CE476SF6DC	47UF MVG 16V M
C803	0CE226VF6DC	22UF MV 16V 20%
C812	0CE226VF6DC	22UF MV 16V 20%
C822	0CE107SF6DC	100UF MVG 16V M
C825	0CE335SK6DC	3.3UF MVG 50V 20%
C827	0CE107SF6DC	100UF MVG 16V M
C828	0CE106SF6DC	10UF MVG 16V 20%
C829	0CE106SF6DC	10UF MVG 16V 20%
C834	0CE106SF6DC	10UF MVG 16V 20%
C837	0CE106SF6DC	10UF MVG 16V 20%
C840	0CE106SF6DC	10UF MVG 16V 20%
C841	0CE107SF6DC	100UF MVG 16V M
C847	0CN105EJ56A	1.0UF 3216 35V 10%
C851	0CE108DH618	1000UF STD 25V M
C852	0CE108DH618	1000UF STD 25V M
C862	0CF4741L438	0.47UF D 63V 5%
C863	0CF4741L438	0.47UF D 63V 5%
C872	0CE335SK6DC	3.3UF MVG 50V 20%
C873	0CN105EJ56A	1.0UF 3216 35V 10%
C874	0CE108DH618	1000UF STD 25V M
C9001	0CE107SF6DC	100UF MVG 16V M
C9002	0CE107SF6DC	100UF MVG 16V M
C9004	0CE107SF6DC	100UF MVG 16V M
C9006	0CE477VF6DC	470UF MV 16V 20%
C9007	0CE107SF6DC	100UF MVG 16V M
C9008	0CE477VF6DC	470UF MV 16V 20%
C9009	0CE477VF6DC	470UF MV 16V 20%
C9010	0CE107SF6DC	100UF MVG 16V M
C9013	0CE107SF6DC	100UF MVG 16V M

LOCA. NO	PART NO	DESCRIPTION
C9014	0CE107SF6DC	100UF MVG 16V M
JACK		
JK200	6612JH003CA	JACK,RCA PPJ137
JK201	6612J00010A	JACK,RCA PPJ128A-1 2P MONO
JK202	6612VJH019C	JACK,RCA PPJ121-22 4P
JK203	6612VMV002A	JACK,UCT-EX-020
P101	380-068E	JACK,UEJ-CV-018
P102	6612BBBHN6A	JACK,DIN 440062-1
P200	380-363K	JACK,DIN PJ6046G
P201	380-068E	JACK,UEJ-CV-018
SP1	6612VLH002A	JACK,RCA SP026B 4P
COIL		
L1004	6140VB0004B	COIL,CHOKE 26UH
L1005	6140VB0004B	COIL,CHOKE 26UH
L1006	6140VB0004B	COIL,CHOKE 26UH
L1007	6140VB0004B	COIL,CHOKE 26UH
L1200	6140VB0004B	COIL,CHOKE 26UH
L1203	6140VB0004B	COIL,CHOKE 26UH
L1209	6140VB0004B	COIL,CHOKE 26UH
L1213	6140VB0004B	COIL,CHOKE 26UH
L803	6140VB0024A	COIL,CHOKE LPK-1322A 22UH +-10%
L804	6140VB0024A	COIL,CHOKE LPK-1322A 22UH +-10%
L805	6140VB0024A	COIL,CHOKE LPK-1322A 22UH +-10%
L806	6140VB0024A	COIL,CHOKE LPK-1322A 22UH +-10%
RESISTOR		
AR500	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR501	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR502	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR503	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR504	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR505	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR513	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR600	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR600	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR601	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR601	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR602	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR602	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR603	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR603	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR604	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR605	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR606	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR607	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR608	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR609	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR610	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR611	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
AR612	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1016	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR613	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1017	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR614	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1018	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR615	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1019	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR616	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR617	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L103	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR618	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L105	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR701	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L106	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR707	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L107	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2
AR708	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L108	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2
AR709	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR710	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1201	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR711	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1206	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR712	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1207	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR713	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1210	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR714	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1211	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR715	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1216	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR717	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1217	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR718	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1300	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR719	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1302	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
R5026	0RD0152H609	15 OHM 1/2 W 5.00%	L1307	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
R801	0RKZVTA001L	1.0M OHM 1/2 W 5%	L1310	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
R802	0RKZVTA001L	1.0M OHM 1/2 W 5%	L1311	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
			L1312	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
	SWITCH		L1313	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW001	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L1314	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW002	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L1315	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW003	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L1316	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW004	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L1317	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW005	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L1318	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW006	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L1321	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW700	140-313B	SWITCH,TACT 2LEAD 160G(TA)	L1322	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW800	6600VM2006A	SWITCH,PUSH SDDF3PATP011	L1325	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
			L1326	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
	FILTER & CRYSTAL		L1327	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F801	6200VJS001A	FILTER,EMC ZJY51R5-4P	L1328	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F802	6200VJS001B	FILTER,EMC ZJYS51R5-2PL(T)	L1329	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F802	6200VJS001A	FILTER,EMC ZJY51R5-4P	L1330	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F803	6200VJS001B	FILTER,EMC ZJYS51R5-2PL(T)	L1331	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F803	6200VJS001A	FILTER,EMC ZJY51R5-4P	L1332	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L100	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L1333	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1000	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L1500	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1002	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L200	6200JB8013L	FILTER,EMC 60 OHM TB201209U060
L1008	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L202	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1009	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L203	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L101	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L204	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1010	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L205	6210VC0005A	FILTER,EMC BK2125 HS 750
L1011	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L205	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1013	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L206	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1014	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L207	6210VC0005A	FILTER,EMC BK2125 HS 750
L1015	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L208	6210VC0006A	FILTER,EMC FBMH3216 HM501NT

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
L209	6210VC0005A	FILTER,EMC BK2125 HS 750	"	3828VA0520C	MANUAL,OWNERS *LGECI
L210	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2	A2	6710V00136H	REMOTE CONTROLLER
L211	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2	A3	6410VUH005A	POWER CORD,PS204 125V/13A 2800MM
L212	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2	A4	6850J00004A	CABLE,DVI LVDS UL20276 AWG30 500MM
L213	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L214	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L215	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L215	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L216	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L216	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L217	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L301	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L302	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L303	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L400	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L400	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L401	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L401	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L402	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L403	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L404	6210VC0005A	FILTER,EMC BK2125 HS 750			
L405	6210VC0005A	FILTER,EMC BK2125 HS 750			
L406	6210VC0005A	FILTER,EMC BK2125 HS 750			
L408	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L5001	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L609	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L610	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L700	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L800	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L807	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L808	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
L9000	6210VC0005A	FILTER,EMC BK2125 HS 750			
LT1100	6200C000010	FILTER,B.P. H354LAI-K5202			
LT1101	6200C000010	FILTER,B.P. H354LAI-K5202			
LT1102	6200C000009	FILTER,B.P. H354LAI-K5225			
LT1103	6200C000009	FILTER,B.P. H354LAI-K5225			
X1100	6212AB2015B	RESONATOR,CRYSTAL HC-49/SM5H 20MHZ			
X600	6202VDT002J	RESONATOR,CRYSTAL SX-1 13.500000MHZ			
X600	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ			
X700	6202VDT002B	RESONATOR,CRYSTAL SX-1 SC14.3MHZ			
X800	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ			

MISCELLANEOUS

LOCA. NO	PART NO	DESCRIPTION
F801	0FS1002B53K	FUSE,SLOW BLOW 10000MA 250V
P100	6630VGA001C	CONNECTOR,D-SUB 15PIN 2.29MM
P200	6630VGA004B	CONNECTOR,D-SUB 9P 2.77MM
P300	6630VGA001C	CONNECTOR,D-SUB 15PIN 2.29MM
PA001	4930V00413A	HOLDER,PRE-AMP&LED XR-401

ACCESSORIES

LOCA. NO	PART NO	DESCRIPTION
A1	3828VA0520B	MANUAL,OWNERS RF043E

LG Electronics Inc.

#3 COMPONENT BUFFER — NTSC-MALIBU_ANALOG — LAST UPDATE 2004/04/12

#4 AV SWITCHING — NTSC-MALIBU_ANALOG — LAST UPDATE 2004/04/12

#6 VIDEO DECODER(MAIN) — NTSC-MALIBU_ANALOG — LAST UPDATE 2004/04/12

#7 VIDEO DECODER(SUB) — NTSC-MALIBU_ANALOG — LAST UPDATE 2004/04/12

IC800
MSP4440G C13

COUNT1	COUNT0	Delay Time
O	O	21ms
1	O	43ms
O	1	64ms
1	1	85ms

IC801
NSP6241B

CON.10P

P101A
31PIN

P102A
31PIN
(SUB)

P103A
31PIN

---> OUT
<--- IN

IC1100
UPD64083

#13 FAN
GLOBAL
FOR ES

This is a set of electronic schematic diagrams labeled "Malibu" with the following sections:

- #4 CXA2101AQ — LAST UPDATE 2004/04/23
- #5 SCALER(gm1601) — LAST UPDATE 2004/04/23
- #6 DDR RAM/F_ROM — LAST UPDATE 2004/04/23
- #10 POWER — LAST UPDATE 2004/04/23

MAIN(TOP)

RF-043E XGA MONITOR DIGITAL
6870VM007A(1)
040728 K.M.K.

MAIN(BOTTOM)

CONTROL(TOP)

RF-043E (PM10)
6870VS2159A 040825
C.J.H.

CONTROL(BOTTOM)

POWER S/W(TOP)

AF-044A
6870VS2019A
040203 K.H

POWER S/W(BOTTOM)

TUNER(TOP)

RF-043E (PM10)
6870VS2158A(0)
040917 C.J.H.

TUNER(BOTTOM)